

**Answers to the Part 1 Review**

1. What is mass and what is it measured in?

**Mass is a measure of the amount of matter that an object is made of.**

**It is measured in Kilograms.**

2. What is weight and what is it measured in?

**Weight is the amount of force acting on an object with mass, due to gravity.**

**It is measured in Newtons.**

3. Write down the equation that relates mass and weight.

**Weight = Mass x gravity**

4. What is an anomalous result and why should you ignore it?

**An anomalous result is one that is very obviously different from other measurements, due to some error in the experiment. It should be ignored to give more accurate results.**

For questions 5 and 6, imagine both objects being dropped at the same time and from the same height.

5. A bowling ball and a leaf.

a) Which object would land first on the Earth? **Bowling ball**

b) Which object would land first on the Moon? **Both would land at the same time**

c) Which object weighs more? **Bowling ball**

6. A piece of paper scrunched up into a ball and an identical, but flat piece of paper.

a) Which object would land first on the Earth? **Scrunched up paper**

b) Which object would land first on the Moon? **Both would land at the same time**

c) Which object weighs more? **Both weigh the same**

